

[illegible]

C 7
16-Sep-1984 00:28:56
5-Sep-1984 14:23:23

VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER:[ERF.SRC]TIMCMP.FOR;1 Page 1

```
0001      INTEGER*4 FUNCTION TIMCMP(A,B)
0002      C
0003      C Version:      'V04-000'
0004      C
0005      C*****
0006      C*
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0024      C*
0025      C*
0026      C*****
0027      C
0028
0029      C      Author  Bill Storey      Creation Date:  Unknown
0030
0031      C++
0032      C
0033      C      FUNCTIONAL DESCRIPTION:
0034      C
0035      C
0036      C      INTEGER*4 FUNCTION TIMCMP is used to compare two VAX/VMS
0037      C      absolute time values. Each time value is a binary number
0038      C      in 100-nanosecond units offset from the system base date
0039      C      and time, which is 17-NOV-1858 00:00:00.0. Each absolute
0040      C      time is a positive value.
0041      C
0042      C      If A > B then a positive number is returned.
0043      C
0044      C      If A = B then 0 is returned.
0045      C
0046      C      If A < B then a negative number is returned.
0047      C
0048      C      Modified by:
0049      C
0050      C      v02-001 BP0001      Brian Porter,      01-DEC-1981
0051      C      Added protection against garbage being in date field
0052      C      of error log entry header.
0053      C**
0054      C--
0055
0056
0057
```


TIMCMP

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```

0058      INTEGER*4      A(0:1)
0059
0060      INTEGER*4      B(0:1)
0061
0062
0063
0064      TIMCMP = lib$extzv(0,30,A(1)) - lib$extzv(0,30,B(1))
0065
0066      IF(TIMCMP.NE.0) RETURN
0067
0068      IF(IAND(IEOR(A(0),B(0)), '80000000'X) .EQ. 0)
0069      1      THEN
0070              TIMCMP = A(0) - B(0)
0071      ELSE
0072              TIMCMP = B(0)
0073
0074      ENDIF
0075      RETURN
0076
0077      END

```

PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	106	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	8	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	76	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
Total Space Allocated	190	

ENTRY POINTS

Address	Type	Name
0-00000000	I*4	TIMCMP

ARRAYS

Address	Type	Name	Bytes	Dimensions
AP-00000004a	I*4	A	8	(0:1)
AP-00000008a	I*4	B	8	(0:1)

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name
I*4	LIB\$EXTZV

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COMMAND QUALIFIERS

FORTRAN /LIS=LIS\$:TIMCMP/OBJ=OBJ\$:TIMCMP MSRC\$:TIMCMP

/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)

/DEBUG=(NOSYMBOLS,TRACEBACK)

/STANDARD=(NOSYNTAX,NOSOURCE FORM)

/SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)

/F77 /NOG_FLOATING /14 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

COMPILATION STATISTICS

Run Time: 0.90 seconds

Elapsed Time: 4.08 seconds

Page Faults: 93

Dynamic Memory: 164 pages

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